



Purposeful observation is a powerful tool in interpreting conditions about us

6. How “man” in his own locality controls his environment—such as water power, minerals, and soil.
7. Others that the children will tell about.

To be aware of *change* and *interdependence* is very important in interpreting the things of nature about us.

Chemical Change.

Teachers have found that it is better for children to leave the work in elements, compounds and chemical change to the upper elementary school. It is little value for the smaller children and middle grades, to “play with” this material. For them it is a spectacular type of activity. The children can find out what elements are. They can find some of them—especially iron—most anywhere. They can study their uses. They can observe examples of *change*, as *Observing Chemical Change*.

“Fill a test tube about one-fourth full of sugar. Heat the sugar and see what happens. After the white sugar has turned black, let it cool and taste it. It will no longer taste sweet. A chemical change has taken place and a new material has been formed.”¹

“Pour vinegar on some baking soda and observe what happens. Hold a match over the bubbles. (Producing carbon dioxide)”²